

CLAIMS

What is claimed is:

1. An inspection apparatus for diagnosis, comprising:

2 a micro processing unit for actuating units and modules of the inspection apparatus

3 via an instruction of a user or a program;

4 an input unit for allowing the user to input the instruction or data;

5 a conversion module comprising at least a receive unit for receiving sound and a

6 transceiver unit for emitting and receiving ultrasonic wave energy signals;

7 a signal processing module for converting analog signals received by the conversion
8 module into digital signals;

9 a memory unit for allowing high-speed data access for the units and modules of the
10 inspection apparatus;

11 a storage unit for storing data processed by the micro processing unit according to
12 the instruction inputted via the input unit; and

13 a communicate module controlled by the micro processing unit, for allowing data
14 communication between the inspection apparatus and at least one data processing device
15 connected to the inspection apparatus.

1. The inspection apparatus as claimed in claim 1, wherein the input unit is one

2 selected from the group consisting of a keyboard, touch panel, mouse, and track ball.

1 3. The inspection apparatus as claimed in claim 1, wherein the conversion module
2 further comprises an infrared body temperature inspection unit.

1 4. The inspection apparatus as claimed in claim 1, wherein the conversion module
2 further comprises a pulse inspection unit.

1 5. The inspection apparatus as claimed in claim 1, wherein the memory unit is one
2 selected from the group consisting of a dynamic random access memory (DRAM),
3 synchronous dynamic random access memory (SDRAM), and double data rate synchronous
4 dynamic random access memory (DDRSDRAM).

1 6. The inspection apparatus as claimed in claim 1, wherein the storage unit is one
2 selected from the group consisting of a hard disk drive (HDD), compact flash (CF) card,
3 smart media (SM) card, memory stick, secure digital (SD) card, and extreme digital (XD)
4 card.

1 7. The inspection apparatus as claimed in claim 1, wherein the communicate module
2 comprises a wireless transmitting interface.

1 8. The inspection apparatus as claimed in claim 7, wherein the wireless transmitting
2 interface is one selected from the group consisting of a radio frequency (RF) transmitting
3 interface, infrared transmitting interface, and blue tooth transmitting interface.

1 9. The inspection apparatus as claimed in claim 1, further comprising a display unit
2 controlled by the micro processing unit, for displaying inspection results or processes from
3 the inspection apparatus.

1 10. The inspection apparatus as claimed in claim 9, wherein the display unit is a
2 liquid crystal display (LCD) monitor.

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4 11. The inspection apparatus as claimed in claim 10, wherein the monitor is a touch
5 screen.

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2 12. The inspection apparatus as claimed in claim 1, wherein the data processing
3 device comprises a control module connected with the communicate module of the
4 inspection apparatus via a wired or wireless transmitting interface to control operation of the
5 inspection apparatus.

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7 13. The inspection apparatus as claimed in claim 12, wherein the control module is a
8 software program or firmware incorporated in the data processing device.

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2 14. The inspection apparatus as claimed in claim 12, wherein the data processing
3 device further comprises a display unit for displaying inspection results from the inspection
4 apparatus.